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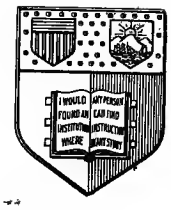

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HOLBOELL GREBE
Colymbus holboelli (Reinhardt)
WINTER
SUMMER

PIED-BILLED GREBE SUMMER
Podilymbus podiceps (Linnaeus)

All $\frac{2}{3}$ nat. size

HORNED GREBE
Colymbus auritus Linnaeus
WINTER
SUMMER

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RED-THROATED LOON
Gavia lumme (Brünnich)
SUMMER WINTER

COMMON LOON
Gavia immer (Brünnich)
SUMMER WINTER

BLACK-THROATED LOON
Gavia arctica (Linnaeus)
SUMMER

All ⅛ nat. size

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BLACK GUILLEMOT
Cepphus grylle (Linnaeus)
WINTER SUMMER

BRÜNNICH MURRE
Uria lomvia (Linnaeus)
SUMMER EGG WINTER

RAZOR-BILLED AUK
Alca torda Linnaeus
SUMMER

PUFFIN
Fratercula arctica (Linnaeus)
SUMMER

All ¼ nat. size

DOVEKIE
Alle alle (Linnaeus)
SUMMER WINTER

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POMARINE JAEGER *Stercorarius pomarinus* (Temminck)
LONG-TAILED JAEGER *Stercorarius longicaudus* (Vieillot)
ADULT
IMMATURE *S. parasiticus*

PARASITIC JAEGER *Stercorarius parasiticus* (Linnaeus)
DARK PHASE
INTERMEDIATE
LIGHT PHASE
SKUA *Megalestris skua* (Brünnich)

All $\frac{1}{8}$ nat. size

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RING-BILLED GULL
Larus delawarensis Ord
ADULT IN SUMMER IMMATURE

GREAT BLACK-BACKED GULL
Larus marinus Linnaeus
IMMATURE ADULT IN SUMMER

HERRING GULL
Larus argentatus Brünnich
IMMATURE ADULT IN SUMMER

GLAUCOUS GULL
Larus glaucus Brünnich
END OF SECOND YEAR ADULT IN SUMMER
IMMATURE

All 1/7 nat. size

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SABINE GULL ADULT IN SUMMER
Xema sabini (Sabine)

LAUGHING GULL ADULT IN SUMMER
Larus atricilla Linnaeus

KITTIWAKE
Rissa tridactyla (Linnaeus)
ADULT IN SUMMER
IMMATURE

IVORY GULL
Pagophila eburnea Gunnerus
IMMATURE
ADULT IN SUMMER

All ⅛ nat. size

BONAPARTE GULL
Larus philadelphia (Ord)
ADULT IN SUMMER
IMMATURE

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ARCTIC TERN ADULT IN SUMMER
Sterna paradisaea Brünnich

GULL-BILLED TERN ADULT IN SUMMER
Gelochelidon nilotica (Hasselquist)

LEAST TERN
Sterna antillarum (Lesson)
IMMATURE ADULT IN SUMMER

SOOTY TERN ADULT IN SUMMER
Sterna fuscata Linnaeus

BLACK SKIMMER
Rhyncops nigra Linnaens

ROSEATE TERN ADULT IN SUMMER
Sterna dougalli Montagu

FORSTER TERN
Sterna forsteri Nuttall
ADULT IN SUMMER

IMMATURE
COMMON TERN
Sterna hirundo Linnaeus
ADULT IN SUMMER IMMATURE

All ⅓ nat. size

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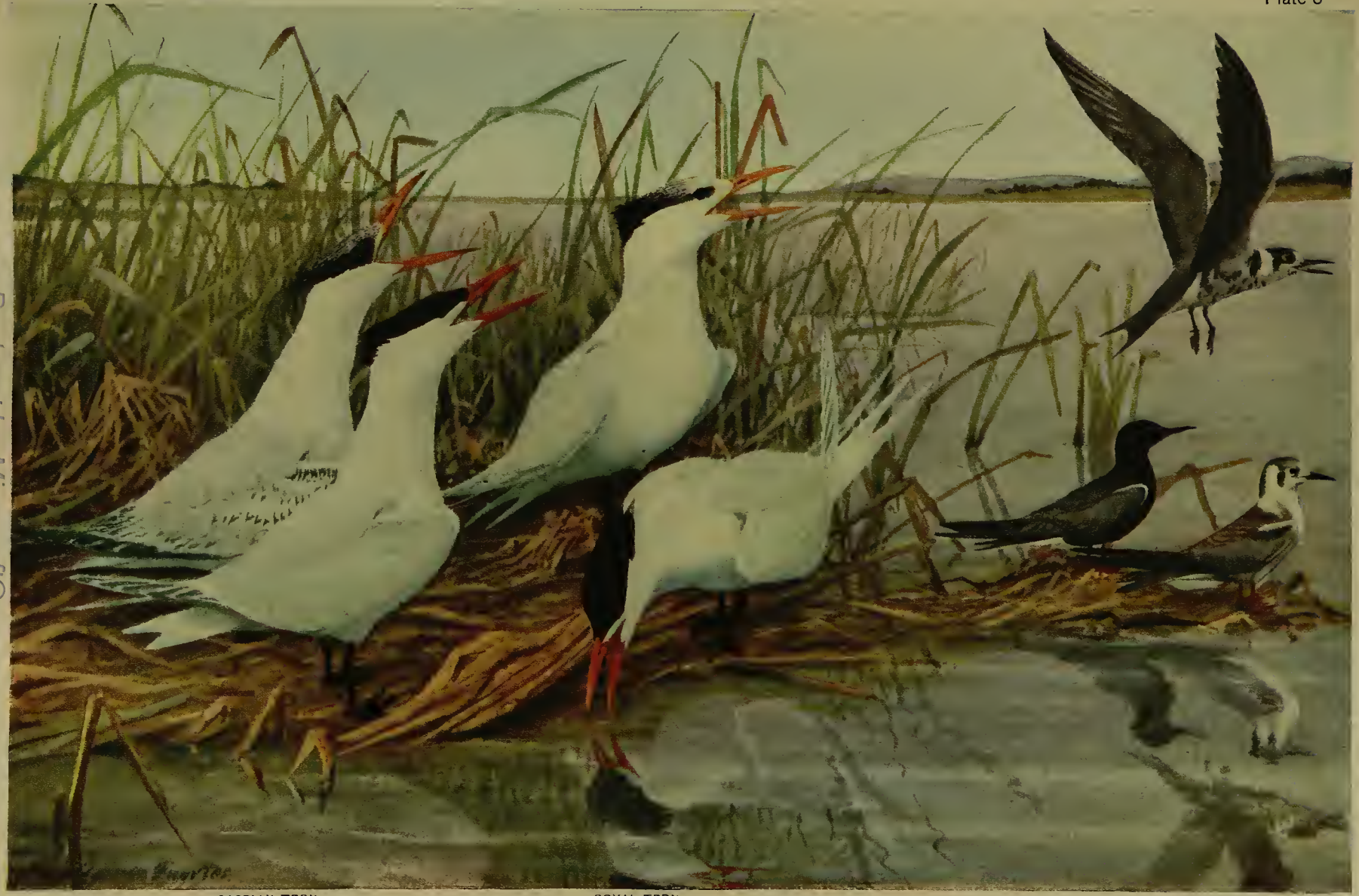

CASPIAN TERN
Sterna caspia Pallas
IMMATURE ADULT IN SPRING

ROYAL TERN
Sterna maxima Boddaert
ADULT IN WINTER ADULT IN SPRING

BLACK TERN
Hydrochelidon nigra surinamensis (Gmelin)
ADULT CHANGING TO WINTER PLUMAGE
ADULT IN SPRING IMMATURE

All ⅛ nat. size

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COMMON CORMORANT *Phalacrocorax carbo* (Linnaeus)

ADULT IN BREEDING PLUMAGE IMMATURE

DOUBLE-CRESTED CORMORANT *Phalacrocorax auritus* (Lesson)

ADULT IN BREEDING PLUMAGE IMMATURE

GANNET *Sula bassana* (Linnaeus)

ADULT IMMATURE

All ⅛ nat. size

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RED-BREASTED MERGANSER *Mergus serrator* (Linnaeus)
FEMALE MALE
AMERICAN MERGANSER *Mergus americanus* (Cassin)
FEMALE MALE

All ⅕ nat. size

RUDDY DUCK *Erismatura jamaicensis* (Gmelin)
FEMALE MALE
BUFFLE-HEADED DUCK *Charitonetta albeola* (Linnaeus)
MALE FEMALE

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HOODED MERGANSER *Lophodytes cucullatus* (Linnaeus)

MALE FEMALE

$\frac{1}{4}$ nat. size

Digitized by Microsoft®

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GADWALL
Chaulelasmus streperus (Linnaeus)
MALE FEMALE

MALLARD
Anas boschas Linnaeus
MALE FEMALE

BLACK DUCK
Anas obscura Gmelin
MALE

All $\frac{1}{8}$ nat. size

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AMERICAN WIDGEON
Mareca americana (Gmelin)
MALE FEMALE

EUROPEAN WIDGEON
Mareca penelope (Linnaeus)
MALE FEMALE

GREEN-WINGED TEAL
Nettion carolinense (Gmelin)
MALE FEMALE

All ½ nat. size

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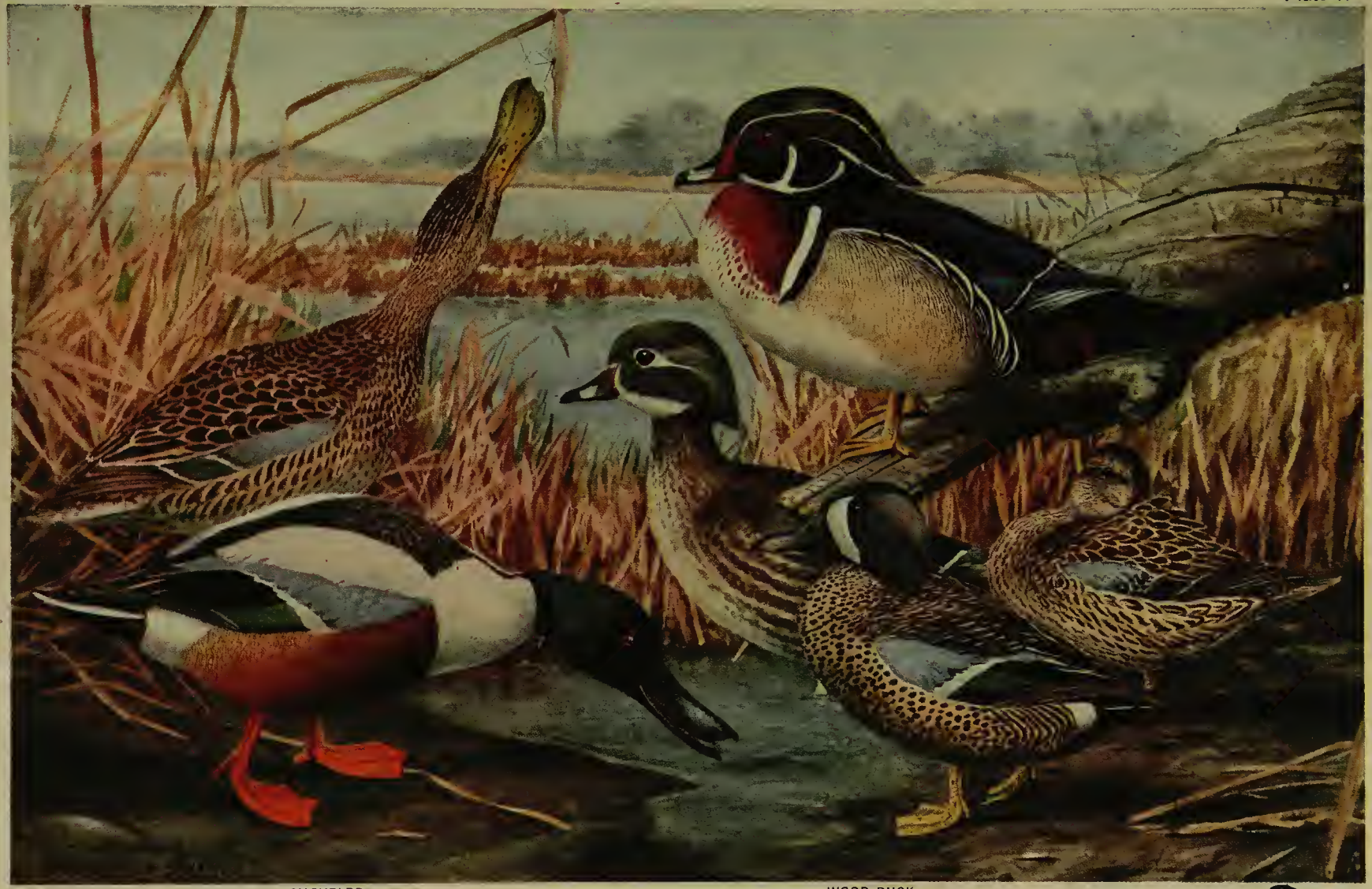

SHOVELER
Spatula clypeata (Linnaeus)
FEMALE MALE

WOOD DUCK
Aix sponsa (Linnaeus)
FEMALE MALE

BLUE-WINGED TEAL
Querquedula discors (Linnaeus)
MALE FEMALE

All ¼ nat. size

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PINTAIL *Dafila acuta* (Linnæus)

MALE FEMALE

⅛ nat. size

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REDHEAD
Aythya americana (Eyton)
MALES
CANVASBACK
Aythya vallisneria (Wilson)
FEMALE
MALES
All ½ nat. size

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RING-NECKED DUCK
Aythya collaris Donovan
MALE FEMALE

LESSER SCAUP
Aythya affinis (Eyton)
MALE FEMALE

SCAUP
Aythya marila (Linnaeus)
MALE FEMALE

All ⅛ nat. size

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KING EIDER *Somateria spectabilis* (Linnaeus) FEMALE MALE

AMERICAN EIDER *Somateria dresseri* Sharpe FEMALE MALE

HARLEQUIN DUCK *Histrionicus histrionicus* (Linnaeus) MALE FEMALE

All $\frac{1}{8}$ nat. size

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AMERICAN GOLDEN-EYE *Clangula clangula americana* (Bonaparte)

MALE FEMALE

$\frac{1}{3}$ nat. size

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OLDSQUAW
Harelda hyemalis (Linnaeus)
FEMALE, MALE } WINTER SUMMER { FEMALE, MALE

SURF SCOTER
Oidemia perspicillata (Linnaeus)
FEMALE MALE

AMERICAN SCOTER
Oidemia americana Swainson
MALE FEMALE

WHITE-WINGED SCOTER
Oidemia deglandi Bonaparte
MALE FEMALE

All ⅛ nat. size

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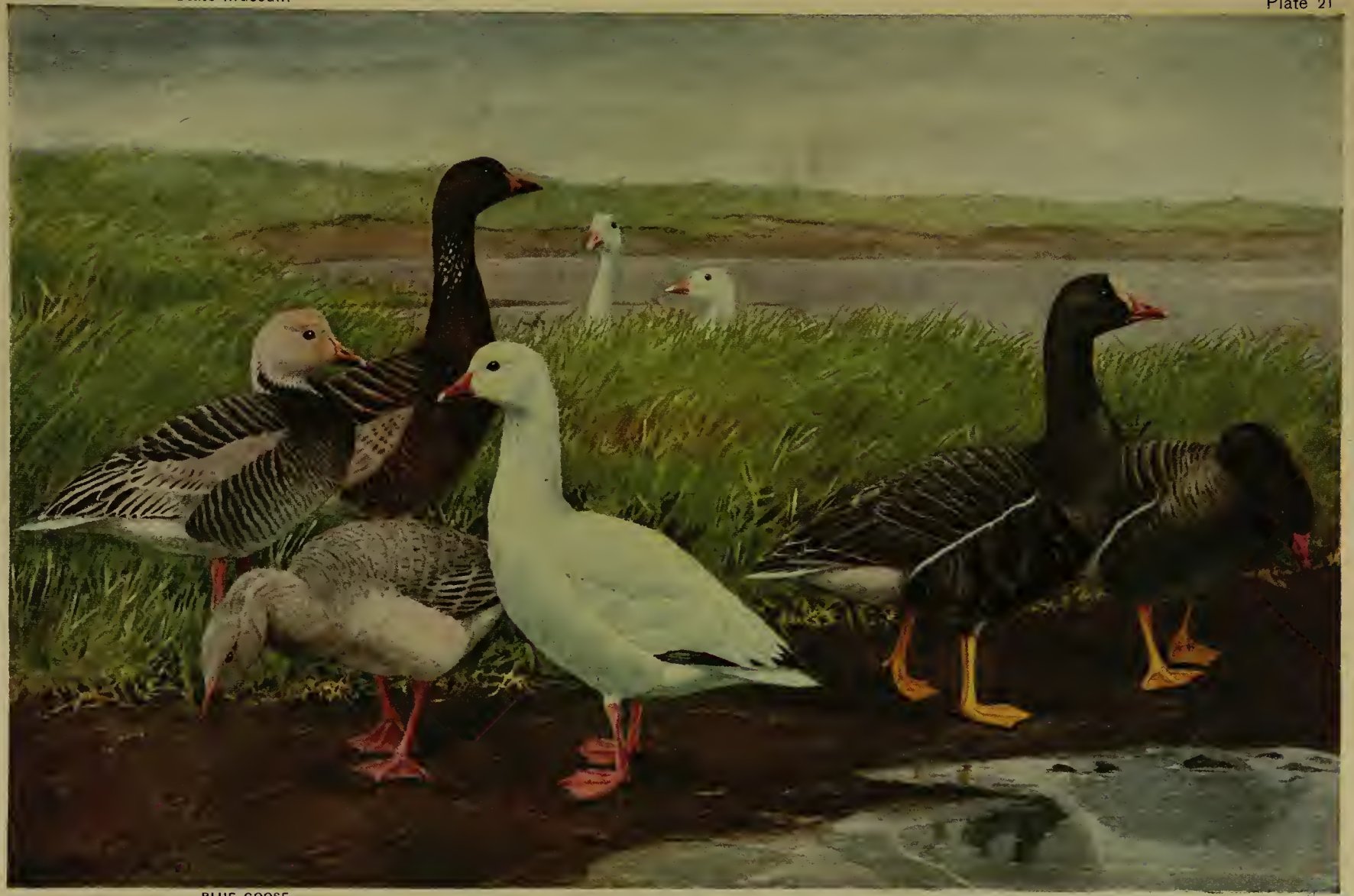

BLUE GOOSE
Chen caerulescens (Linnaeus)
ADULT IMMATURE

SNOW GOOSE
Chen hyperborea nivalis (Forster)
IMMATURE ADULT

AMERICAN WHITE-FRONTED GOOSE
Anser albifrons gambeli (Hartlaub)
ADULT IMMATURE

All ⅛ nat. size

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WHISTLING SWAN
Olor columbianus (Ord)

CANADA GOOSE
Branta canadensis (Linnaeus)

BRANT
Branta bernicla glaucogastra (Brehm)

BLACK BRANT
Branta nigricans (Lawrence)

All 1/7 nat. size

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GREEN HERON *Butorides virescens* (Linnæus)
IMMATURE ADULT
AMERICAN BITTERN *Botaurus lentiginosus* (Montagu)
LEAST BITTERN *Ixobrychus exilis* (Gmelin)
FEMALE MALE
All ¼ nat. size

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AMERICAN EGRET
Herodias egretta (Gmelin)
SANDHILL CRANE
Grus mexicana (Müller)

BLACK-CROWNED NIGHT HERON
Nycticorax nycticorax naevius (Boddaert)
ADULT IMMATURE
GREAT BLUE HERON
Ardea herodias Linnaeus
ADULT IN SUMMER IMMATURE

All ¼ nat. size

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VIRGINIA RAIL
Rallus virginianus Linnaeus

DOWNY YOUNG ADULT IMMATURE

KING RAIL
Rallus elegans Audubon

CLAPPER RAIL
Rallus longirostris crepitans (Gmelin)

All ⅛ nat. size

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YELLOW RAIL
Coturnicops noveboracensis (Gmelin)
ADULT

DOWNY YOUNG of Little Black Rail

LITTLE BLACK RAIL
Creciscus jamaicensis (Gmelin)
ADULT

All ¾ nat. size

CAROLINA RAIL OR SORA
Porzana carolina (Linnaeus)
ADULT

DOWNY YOUNG

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PURPLE GALLINULE
Ionornis martinica (Linnaeus)

FLORIDA GALLINULE
Gallinula galeata (Lichtenstein)

All $\frac{2}{3}$ nat. size

AMERICAN COOT
Fulica americana Gmelin
ADULT DOWNY YOUNG

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RED PHALAROPE *Phalaropus fulicarius* (Linnaeus)

FEMALE MALE AUTUMN AND WINTER PLUMAGE

All ¾ nat. size

Digitized by Microsoft®

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NORTHERN PHALAROPE *Lobipes lobatus* (Linnaeus)

FEMALE AUTUMN AND WINTER PLUMAGE MALE

All $\frac{3}{8}$ nat. size

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WILSON PHALAROPE *Steganopus tricolor* Vieillot

AUTUMN AND WINTER PLUMAGE

FEMALE

MALE

All $\frac{2}{3}$ nat. size

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AMERICAN WOODCOCK *Philohela minor* (Gmelin)

⅞ nat. size

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WILSON SNIPE *Gallinago delicata* (Ord)
⅞ nat. size

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TURNSTONE
Arenaria morinella (Linnaeus)
SANDERLING
Calidris alba (Pallas)

RED-BACKED SANDPIPER
Pelidna alpina sakhalina (Vieillot)
STILT SANDPIPER
Micropalma himantopus (Bonaparte)
BREEDING PLUMAGES
All ½ nat. size

DOWITCHER
Macrorhamphus griseus (Gmelin)
KNOT
Tringa canutus Linnaeus

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PURPLE SANDPIPER
Arquatella maritima (Brünnich)
SANDERLING
Calidris alba (Pallas)

RED-BACKED SANDPIPER
Pelidna alpina sakhalina (Vieillot).
STILT SANDPIPER
Micropalama himantopus (Bonaparte)
KNOT
Tringa canutus Linnaeus
AUTUMN AND WINTER PLUMAGES
All ⅓ nat. size

DOWITCHER
Macrorhamphus griseus (Gmelin)

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PECTORAL SANDPIPER
Actodromas maculata (Vieillot)

WHITE-RUMPED SANDPIPER
Actodromas fuscicollis (Vieillot)
SPRING AUTUMN

BAIRD SANDPIPER
Actodromas bairdi Coues

LEAST SANDPIPER
Actodromas minutilla (Vieillot)
AUTUMN SPRING

SEMIPALMATED SANDPIPER
Ereunetes pusillus (Linnaeus)
SPRING AUTUMN

All ½ nat. size

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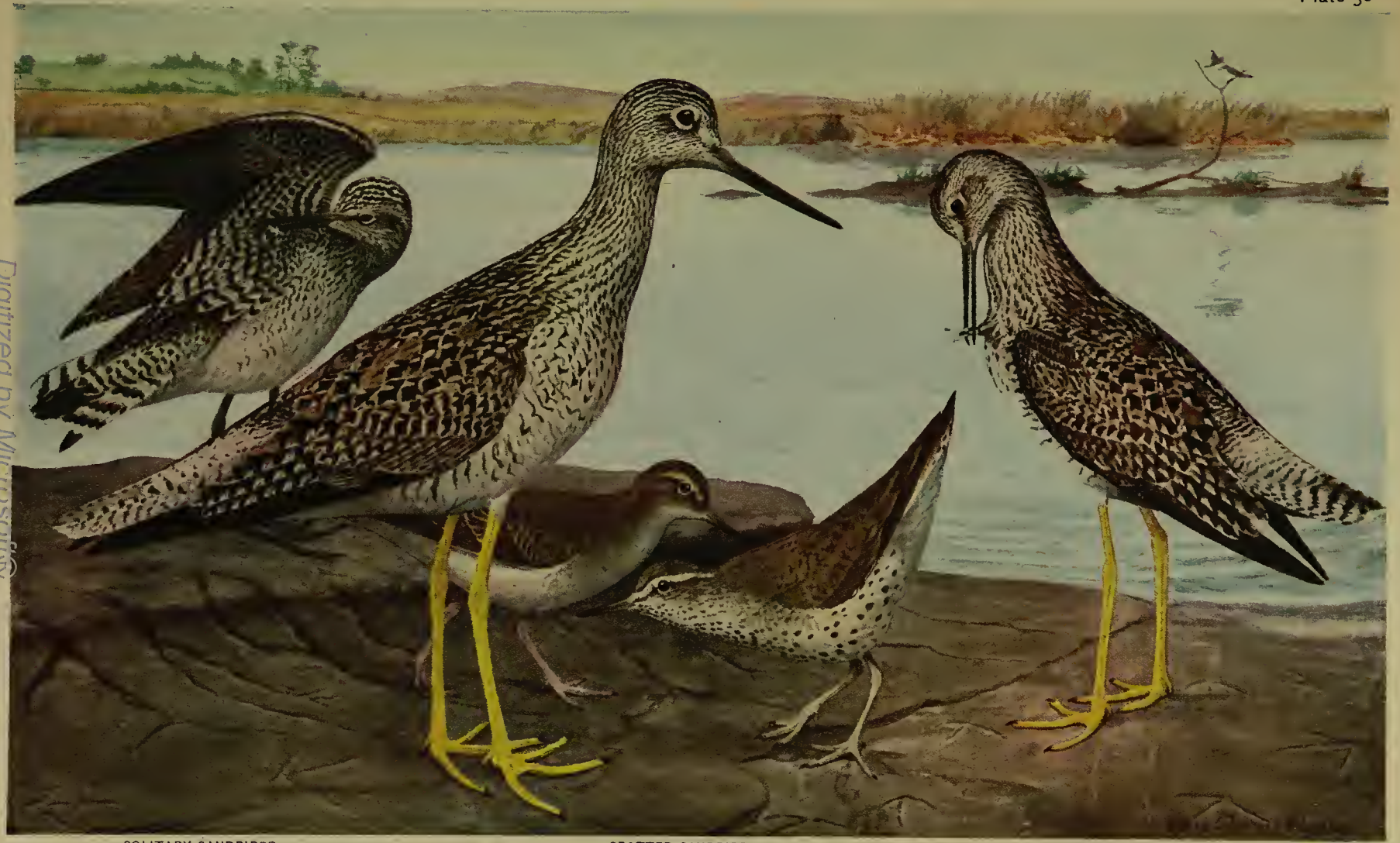

SOLITARY SANDPIPER
Helodromas solitarius (Wilson)

GREATER YELLOWLEGS
Totanus melanoleucus (Gmelin)

SPOTTED SANDPIPER
Actitis maculoria (Linnaeus)

IMMATURE ADULT
SUMMER PLUMAGES

LESSER YELLOWLEGS
Totanus flavipes (Gmelin)

All ½ nat. size

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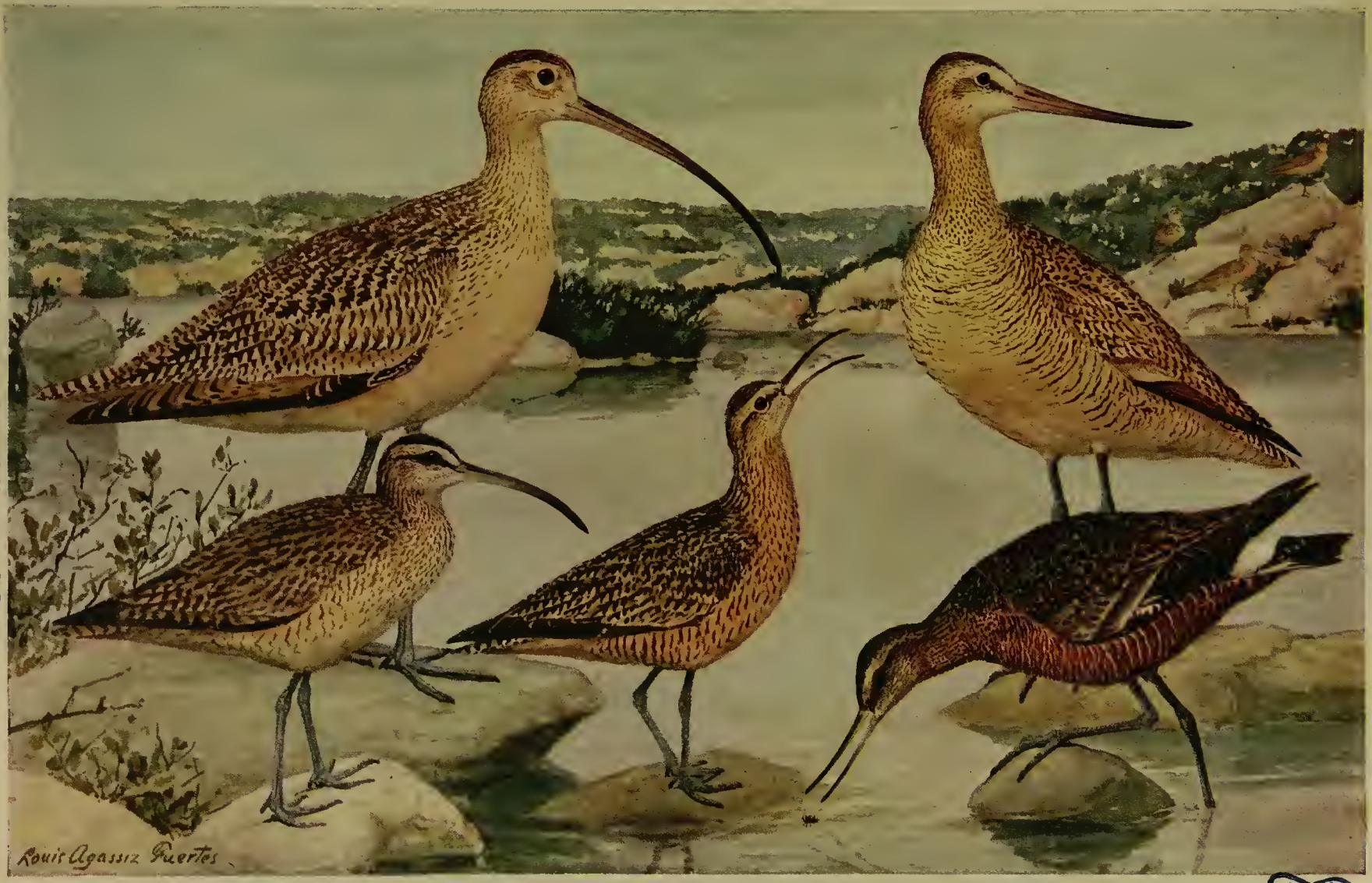

LONG-BILLED CURLEW
Numenius longirostris Wilson
HUDSONIAN CURLEW
Numenius hudsonicus Latham

ESKIMO CURLEW
Numenius borealis (Forster)

All ⅞ nat. size

MARBLED GODWIT
Limosa fedoa (Linnaeus)
HUDSONIAN GODWIT SPRING
Limosa haemastica (Linnaeus)

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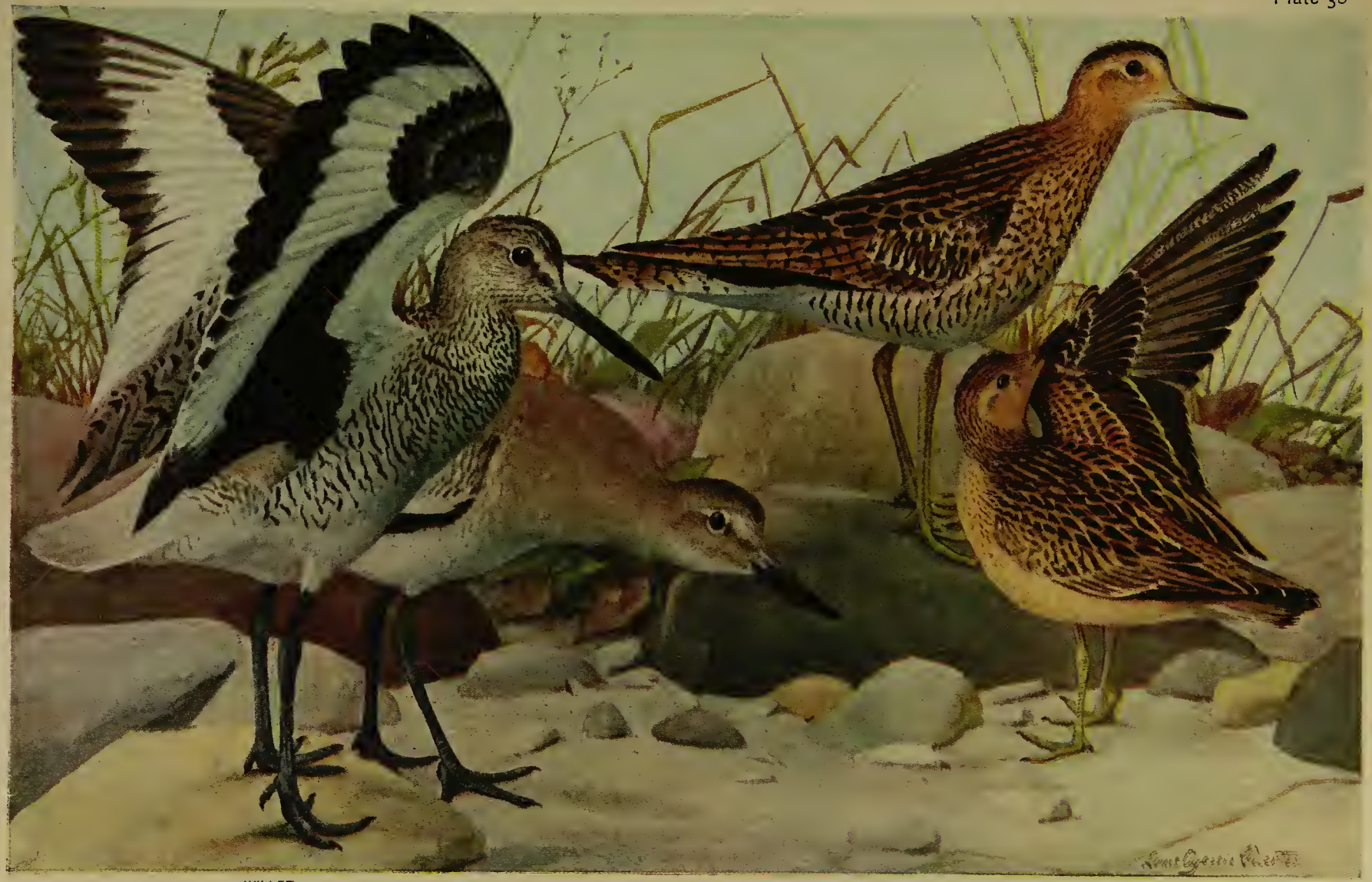

WILLET
Catoptrophorus semipalmata (Gmelin)
SPRING AUTUMN

BARTRAMIAN SANDPIPER OR UPLAND PLOVER
Bartramia longicauda (Bechstein)

BUFF-BREASTED SANDPIPER
Tryngytes subruficollis (Vieillot)

All ⅔ nat. size

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AMERICAN GOLDEN PLOVER
Charadrius dominicus Müller
SPRING AUTUMN

BLACK-BELLIED PLOVER
Squatarola squatarola (Linnaeus)
SPRING AUTUMN

All ⅔ nat. size

KILLDEER PLOVER
Oxyechus vociferus (Linnaeus)

SEMIPALMATED PLOVER
Aegialitis semipalmata Bonaparte

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BOBWHITE OR QUAIL *Colinus virginianus virginianus* (Linnaeus).
MALE AND FEMALE
½ nat. size

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CANADA OR SPRUCE GROUSE *Canachites canadensis canace* (Linnaeus)
MALE AND FEMALE
⅔ nat. size

RUFFED GROUSE *Bonasa umbellus umbellus* (Linnaeus)
MALE, STRUTTING
¼ nat. size

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PASSENGER PIGEON · *Ectopistes migratorius* (Linnaeus)

YOUNG MALE FEMALE

$\frac{1}{3}$ nat. size

MOURNING DOVE *Zenaidura macroura carolinensis* (Linnaeus)

FEMALE YOUNG MALE

$\frac{1}{3}$ nat. size

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Appearance of Diurnal Birds of Prey in Flight

TURKEY VULTURE
FALCON (DUCK HAWK)
ACCIPITER (COOPER'S HAWK)
MARSH HAWK–FEMALE
BALD EAGLE
BUTEO (RED-TAILED HAWK)
ARCHIBUTEO (ROUGH-LEGGED HAWK)
FISH HAWK

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COOPER'S HAWK
Accipiter cooperi (Bonaparte)
IMMATURE FEMALE

All ⅛ nat. size

SHARP-SHINNED HAWK
Accipiter velox (Wilson)
ADULT MALE

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GOSHAWK
Astur atricapillus atricapillus (Wilson)
IMMATURE ½ nat. size ADULT

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RED-TAILED HAWK *Buteo borealis borealis* (Gmelin)
ADULT
COOPER'S HAWK *Accipiter cooperi* (Bonaparte)
ADULT FEMALE
½ nat. size

Cornell University Library

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RED-SHOULDERED HAWK
Buteo lineatus lineatus (Gmelin)

IMMATURE

ADULT

All ⅓ nat. size

RED-TAILED HAWK
Buteo borealis borealis (Gmelin)

IMMATURE

Digitized by Microsoft®

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BROAD-WINGED HAWK *Buteo platypterus* (Vieillot)
ADULT

IMMATURE

ROUGH-LEGGED HAWK
Archibuteo lagopus sancti-johannis (Gmelin)
Black phase

All ¼ nat. size

MARSH HAWK *Circus hudsonius* (Linnaeus)
MALE

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GOLDEN EAGLE *Aquila chrysaëtos* (Linnaeus)
½ nat. size

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BALD EAGLE *Haliaetus leucocephalus leucocephalus* (Linnaeus)
IMMATURE
½ nat. size

Cornell University Library

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GYRFALCON
Falco rusticolus gyrfalco Linnaeus

WHITE GYRFALCON
Falco islandus Brünnich

BLACK GYRFALCON *Falco rusticolus obsoletus* Gmelin
All ¼ nat. size

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DUCK HAWK *Falco peregrinus anatum* Peregrine

FIRST YEAR MALE ADULT FEMALE CHICKS AND EGG

All ⅛ nat. size

Digitized by Microsoft®

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SPARROW HAWK *Falco sparverius sparverius* Linnaeus

MALE FEMALE

PIGEON HAWK *Falco columbarius columbarius* Linnaeus

ADULT IMMATURE

All ⅓ nat. size

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BARN OWL
Aluco pratincola (Bonaparte)

LONG-EARED OWL
Asio wilsonianus (Lesson)

½ nat. size

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Digitized by Microsoft®

Cornell University Library

Digitized by Microsoft®

GREAT GRAY OWL *Scotiaptex nebulosa nebulosa* (J. R. Forster)

SNOWY OWL *Nyctea nyctea* (Linnaeus)

All ⅙ nat. size

BARRED OWL *Strix varia varia* Barton

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HAWK OWL *Surnia ulula caparoch* (Müller)

SAW-WHET OWL
Cryptoglaux acadica acadica (Gmelin)

RICHARDSON'S OWL
Cryptoglaux funerea richardsoni (Bonaparte)

All ½ nat. size

Digitized by Microsoft®

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SCREECH OWL *Otus asio asio* (Linnaeus)
Gray and red phases
SHORT-EARED OWL *Asio flammeus* (Pontoppidan)
All ⅛ nat. size

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GREAT HORNED OWL *Bubo virginianus virginianus* (Gmelin)
$\frac{2}{3}$ nat. size

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BELTED KINGFISHER *Ceryle alcyon* (Linnaeus)

MALE FEMALE

BLACK-BILLED CUCKOO
Coccyzus erythrophthalmus (Wilson)

YELLOW-BILLED CUCKOO
Coccyzus americanus americanus (Linnaeus)

All ¼ nat. size

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HAIRY WOODPECKER
Dryobates villosus villosus (Linnaeus)
MALE FEMALE

DOWNY WOODPECKER
Dryobates pubescens medianus (Swainson)
FEMALE MALE

All ¾ nat. size

Digitized by Microsoft®

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ARCTIC THREE-TOED WOODPECKER *Picoides arcticus* (Swainson)
FEMALE.
MALE
$\frac{4}{5}$ nat. size

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AMERICAN THREE-TOED WOODPECKER *Picoides americanus americanus* Brehm

MALE FEMALE

½ nat. size

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RED-HEADED WOODPECKER
Melanerpes erythrocephalus (Linnaeus).
ADULT
IMMATURE

All ⅓ nat. size

YELLOW-BELLIED SAPSUCKER
Sphyrapicus varius varius (Linnaeus)
FEMALE
MALE

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NORTHERN PILEATED WOODPECKER *Phloeotomus pileatus abieticola* (Bangs)

MALE FEMALE

About ⅛ nat. size

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NORTHERN FLICKER *Colaptes auratus luteus* Bangs

FEMALE MALE

RED-BELLIED WOODPECKER *Centurus carolinus* (Linnæus)

FEMALE MALE

½ nat. size

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NIGHTHAWK *Chordeiles virginianus virginianus* (Gmelin)
MALE ⅓ nat. size

WHIP-POOR-WILL *Antrostomus vociferus vociferus* (Wilson)
MALE ⅓ nat. size

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RUBY-THROATED HUMMINGBIRD *Archilochus colubris* (Linnaeus)

MALE FEMALE All life size MALE

Cornell University Library

Digitized by Microsoft®

Digitized by Microsoft®

OLIVE-SIDED FLYCATCHER
Nuttallornis borealis (Swainson)

KINGBIRD *Tyrannus tyrannus* (Linnaeus)
All ½ natural size

CRESTED FLYCATCHER
Myiarchus crinitus (Linnaeus)

PHOEBE *Savornis phoebe* (Latham)

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WOOD PEWEE *Myiochanes virens* (Linnaeus)

ADULT
ALDER FLYCATCHER
Empidonax traillii alnorum Brewster
ACADIAN FLYCATCHER
Empidonax virescens (Vieillot)

IMMATURE
LEAST FLYCATCHER *Empidonax minimus* (W. M. & S. F. Baird)
YELLOW-BELLIED FLYCATCHER
Empidonax flaviventris (W. M. & S. F. Baird)

All ⅔ nat. size

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SKYLARK
Alauda arvensis Linnaeus

PIPIT *Anthus rubescens* (Tunstall)
SPRING AUTUMN

All ½ nat. size

Cornell University Library

HORNED LARK *Otocoris alpestris alpestris* (Linnaeus)
MALE

PRAIRIE HORNED LARK *Otocoris alpestris praticola* Henshaw
MALE FEMALE IMMATURE

All ½ nat. size

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BLUE JAY *Cyanocitta cristata cristata* (Linnaeus)
$\frac{3}{4}$ nat. size

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NORTHERN RAVEN
Corvus corax principalis Ridgway

Both ½ nat. size

CANADA JAY
Perisoreus canadensis canadensis (Linnaeus)

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FISH CROW
Corvus ossifragus Wilson

CROW
Corvus brachyrhynchos brachyrhynchos Brehm

All ¼ nat. size

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RUSTY BLACKBIRD *Euphagus carolinus* (Müller)

ADULT MALE IN SPRING

IMMATURE IN AUTUMN

ADULT MALE IN AUTUMN

RED-WINGED BLACKBIRD *Agelaius phoeniceus phoeniceus* (Linnaeus)

MALE IN AUTUMN

MALE IN SPRING

FEMALE

BOBOLINK *Dolichonyx oryzivorus* (Linnaeus)

MALE

FEMALE

All ½ nat. size

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PURPLE GRACKLE
Quiscalus quiscula quiscula (Linnaeus)
MALE

STARLING
Sturnus vulgaris Linnaeus

BRONZED GRACKLE *Quiscalus quiscula aeneus* Ridgway
MALE FEMALE

COWBIRD *Molothrus ater ater* (Boddaert)
MALE FEMALE

All ½ nat. size

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BALTIMORE ORIOLE *Icterus galbula* (Linnaeus)
MALE FEMALE

ORCHARD ORIOLE *Icterus spurius* (Linnaeus)
FIRST YEAR MALE MALE FEMALE

MEADOWLARK *Sturnella magna magna* (Linnaeus)

All ½ nat. size

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PINE GROSBEAK *Pinicola enucleator leucura* (Müller)

ADULT MALE

IMMATURE MALE

PURPLE FINCH *Carpodacus purpureus purpureus* (Gmelin)

FEMALE

MALE

FEMALE OR IMMATURE MALE

All ⅞ nat. size

Digitized by Microsoft®

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CROSSBILL *Loxia curvirostra minor* (Brehm)

IMMATURE MALE FEMALE ADULT MALE

WHITE-WINGED CROSSBILL *Loxia leucoptera* Gmelin

IMMATURE MALE MALE FEMALE

All ⅔ nat. size

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Louis Agassiz Fuertes.

REDPOLL
Acanthis linaria linaria (Linnaeus)
FEMALE
MALE

GOLDFINCH *Astragalinus tristis tristis* (Linnaeus)
MALE AND FEMALE IN WINTER

PINE SISKIN *Spinus pinus* (Wilson)

GREATER REDPOLL *Acanthis linaria rostrata* (Coues)
MALE

All ⅔ nat. size

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EUROPEAN GOLDFINCH
Carduelis carduelis (Linnaeus)

GOLDFINCH
Astragalinus tristis tristis (Linnaeus)
FEMALE AND MALE IN SUMMER

EVENING GROSBEAK *Hesperiphona vespertina vespertina* (W. Cooper)
MALE FEMALE

All ⅔ nat. size

Digitized by Microsoft®

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TREE SPARROW *Spizella monticola monticola* (Gmelin)
SNOW BUNTING *Plectrophenax nivalis nivalis* (Linnaeus)
½ nat. size

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HENSLOW'S SPARROW
Passerherbulus henslowi henslowi (Audubon)
LECONTE'S SPARROW
Passerherbulus lecontei (Audubon)
ADULT
IMMATURE
IPSWICH SPARROW
Passerculus princeps Maynard
SHARP-TAILED SPARROW
Passerherbulus caudacutus (Gmelin)

GRASSHOPPER SPARROW
Ammodramus savannarum australis Maynard
SAVANNAH SPARROW
Passerculus sandwichensis savanna (Wilson)
SEASIDE SPARROW
Passerherbulus maritimus maritimus (Wilson)
ACADIAN SHARP-TAILED SPARROW
Passerherbulus nelsoni subvirgatus (Dwight)
NELSON'S SPARROW
Passerherbulus nelsoni nelsoni (Allen)
All ⅓ nat. size

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WHITE-THROATED SPARROW
Zonotrichia albicollis (Gmelin)

WHITE-CROWNED SPARROW
Zonotrichia leucophrys leucophrys (J. R. Forster)
ADULT

VESPER SPARROW
Pooecetes gramineus gramineus (Gmelin)

IMMATURE
SLATE-COLORED JUNCO
Junco hyemalis hyemalis (Linnaeus)
MALE FEMALE

All ⅞ nat. size

Digitized by Microsoft®

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FIELD SPARROW *Spizella pusilla pusilla* (Wilson)
MALE

IMMATURE
CHIPPING SPARROW *Spizella passerina passerina* (Bechstein)
IMMATURE

MALE
FOX SPARROW *Passerella iliaca iliaca* (Merrem)

All ⅞ nat. size

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SONG SPARROW *Melospiza melodia melodia* (Wilson)

SWAMP SPARROW
Melospiza georgiana (Latham)

SPRING

AUTUMN

LINCOLN'S SPARROW
Melospiza lincolni lincolni (Audubon)

TOWHEE
Pipilo erythrophthalmus erythrophthalmus (Linnaeus)

MALE

FEMALE

All ½ nat. size

Digitized by Microsoft®

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ROSE-BREASTED GROSBEAK *Zamelodia ludoviciana* (Linnaeus)

ADULT MALE

IMMATURE MALE IN AUTUMN

FEMALE

CARDINAL *Cardinalis cardinalis cardinalis* (Linnaeus)

FEMALE

MALE

All ⅔ nat. size

Digitized by Microsoft®

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BLUE GROSBEAK *Guiraca caerulea caerulea* (Linnaeus)

ADULT MALE CHANGING MALE FEMALE

INDIGO BUNTING *Passerina cyanea* (Linnaeus)

MALE IN SUMMER FEMALE MALE IN AUTUMN

All ⅔ nat. size

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CHANGING MALE
FEMALE

SCARLET TANAGER *Piranga erythromelas* Vieillot
MALE IN SUMMER MALE IN WINTER

SUMMER TANAGER *Piranga rubra rubra* (Linnaeus)
FEMALE MALE
CHANGING MALE

All ½ nat. size

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BARN SWALLOW *Hirundo erythrogastra* Boddaert
FEMALE MALE

CLIFF SWALLOW *Petrochelidon lunifrons lunifrons* (Say)
ADULT IMMATURE

ROUGH-WINGED SWALLOW
Stelgidopteryx serripennis (Audubon)

BANK SWALLOW
Riparia riparia (Linnaeus)

PURPLE MARTIN *Progne subis subis* (Linnaeus)
MALE FEMALE

TREE SWALLOW
Iridoprocne bicolor (Vieillot)
ADULT IMMATURE

All ½ nat. size

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BOHEMIAN WAXWING *Bombycilla garrula* (Linnaeus)

FEMALE MALE

CEDAR WAXWING *Bombycilla cedrorum* Vieillot

FEMALE IMMATURE MALE

All ½ nat. size

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NORTHERN SHRIKE *Lanius borealis* Vieillot
IMMATURE ADULT MALE

MIGRANT SHRIKE *Lanius ludovicianus migrans* W. Palmer
IMMATURE ADULT

All ½ nat. size

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WARBLING VIREO *Vireosylva gilva gilva* (Vieillot)
ADULT
YOUNG
RED-EYED VIREO *Vireosylva olivacea* (Linnaeus)
YELLOW-THROATED VIREO *Lanivireo flavifrons* (Vieillot)
WHITE-EYED VIREO *Vireo griseus griseus* (Boddaert)

PHILADELPHIA VIREO
Vireosylva philadelphica Cassin
BLUE-HEADED VIREO
Lanivireo solitarius solitarius (Wilson)

All ½ nat. size

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BLACK AND WHITE WARBLER *Mniotilta varia* (Linnaeus)

MALE FEMALE

WATER-THRUSH

Seiurus noveboracensis noveboracensis (Gmelin)

OVEN-BIRD *Seiurus aurocapillus* (Linnaeus)

ADULT JUVENAL

All ½ nat. size

WORM-EATING WARBLER

Helmitheros vermivorus (Gmelin)

PROTHONOTARY WARBLER

Protonotaria citrea (Boddaert)

LOUISIANA WATER-THRUSH

Seiurus motacilla Vieillot

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BLUE-WINGED WARBLER *Vermivora pinus* (Linnaeus)

BREWSTER'S WARBLER
Vermivora leucobronchialis (Brewster)

LAWRENCE'S WARBLER
Vermivora lawrenceii (Herrick)

GOLDEN-WINGED WARBLER *Vermivora chrysoptera* (Linnaeus)
MALE FEMALE

ORANGE-CROWNED WARBLER
Vermivora celata celata (Say)

NASHVILLE WARBLER *Vermivora rubricapilla rubricapilla* (Wilson)
MALE IMMATURE

TENNESSEE WARBLER *Vermivora peregrina* (Wilson)
IMMATURE MALE

All ½ nat. size

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PARULA WARBLER
Compsothlypis americana americana (Linnaeus)
MALE
FEMALE

CERULEAN WARBLER
Dendroica cerulea (Wilson)
MALE
FEMALE

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MYRTLE WARBLER *Dendroica coronata* (Linnaeus)
MALE
FEMALE

BLACK-THROATED BLUE WARBLER
Dendroica caerulescens caerulescens (Gmelin)
FEMALE

CANADA WARBLER
Wilsonia canadensis (Linnaeus)
MALE
FEMALE

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PINE WARBLER *Dendroica vigorsi* (Audubon)
MALE FEMALE

CAPE MAY WARBLER *Dendroica tigrina* (Gmelin)
MALE FEMALE

YELLOW WARBLER *Dendroica aestiva aestiva* (Gmelin)
MALE FEMALE

PRAIRIE WARBLER
Dendroica discolor (Vieillot)
MALE FEMALE

PALM WARBLER *Dendroica palmarum palmarum* (Gmelin)

YELLOW PALM WARBLER *Dendroica palmarum hypochrysea* Ridgway

All ½ nat. size

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BAY-BREASTED WARBLER *Dendroica castanea* (Wilson)

IMMATURE FEMALE MALE

BLACK-POLL WARBLER *Dendroica striata* (J. R. Forster)

IMMATURE FEMALE MALE

CHESTNUT-SIDED WARBLER *Dendroica pensylvanica* (Linnaeus)

MALE IMMATURE FEMALE

All ½ nat. size

Digitized by Microsoft®

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BLACKBURNIAN WARBLER *Dendroica fusca* (Müller)

FEMALE MALE

BLACK-THROATED GREEN WARBLER *Dendroica virens* (Gmelin)

MALE FEMALE

REDSTART *Setophaga ruticilla* (Linnaeus)

MALE FEMALE

MAGNOLIA WARBLER *Dendroica magnolia* (Wilson)

MALE IMMATURE FEMALE

All ½ nat. size

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WILSON'S WARBLER *Wilsonia pusilla pusilla* (Wilson)
FEMALE MALE

YELLOW-BREASTED CHAT
Icteria virens virens (Linnaeus)

KENTUCKY WARBLER *Oporornis formosus* (Wilson)
MALE FEMALE

MARYLAND YELLOW-THROAT
Geothlypis trichas trichas (Linnaeus)
FEMALE MALE

HOODED WARBLER *Wilsonia citrina* (Boddaert)
MALE FEMALE

All ½ nat. size

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CONNECTICUT WARBLER *Oporonis agilis* (Wilson)

ADULT IMMATURE

Life size

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MOURNING WARBLER *Oporonis philadelphia* (Wilson)

FEMALE

MALE

1 nat. size

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MOCKINGBIRD *Mimus polyglottos polyglottos* (Linnaeus)
BROWN THRASHER *Toxostoma rufum* (Linnaeus)
CATBIRD *Dumetella carolinensis* (Linnaeus)
All ½ nat. size

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HOUSE WREN
Troglodytes aëdon aëdon Vieillot

WINTER WREN
Nannus hiemalis hiemalis (Vieillot)

SHORT-BILLED MARSH WREN
Cistothorus stellaris (Naumann)

CAROLINA WREN
Thryothorus ludovicianus ludovicianus (Latham)

BROWN CREEPER
Certhia familiaris americana Bonaparte

LONG-BILLED MARSH WREN
Telmatodytes palustris palustris (Wilson)

All ⅔ nat. size

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CHICKADEE
Penthestes atricapillus atricapillus (Linnaeus)

ACADIAN CHICKADEE
Penthestes hudsonicus littoralis (H. Bryant)

RED-BREASTED NUTHATCH
Sitta canadensis Linnaeus

FEMALE

WHITE-BREASTED NUTHATCH
Sitta carolinensis carolinensis Latham

MALE

MALE

TUFTED TITMOUSE
Baeolophus bicolor (Linnaeus)

FEMALE

All ⅓ nat. size

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GOLDEN-CROWNED KINGLET
Regulus satrapa satrapa Licht.

MALE FEMALE

RUBY-CROWNED KINGLET
Regulus calendula calendula (Linnaeus)

MALE FEMALE

BLUE-GRAY GNATCATCHER
Polioptila caerulea caerulea (Linnaeus)

MALE FEMALE

All ⅔ nat. size

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WOOD THRUSH
Hylocichla mustelina (Gmelin)

HERMIT THRUSH
Hylocichla guttata pallasi (Cabanis)

VEERY
Hylocichla fuscescens fuscescens (Stephens)

GRAY-CHEEKED THRUSH
Hylocichla aliciae aliciae (Baird)

OLIVE-BACKED THRUSH
Hylocichla ustulata swainsoni (Tschudi)

All ⅓ nat. size

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ROBIN *Planesticus migratorius migratorius* (Linnaeus)
ADULT IN SPRING IMMATURE
BLUEBIRD *Sialia sialis sialis* (Linnaeus)
MALE IMMATURE FEMALE
All ½ nat. size

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